

What is claimed is:

Sub
Q1

- 1 A likeness drawing apparatus for creating a portrait by combining portrait parts, which comprises:
 - a selection order input unit for inputting one or more
 - 5 identifiers (IDs) of the portrait parts;
 - a parts storage unit for storing said IDs and images of said portrait parts;
 - a parts selection unit for reading out said images in accordance with said ID;
 - 10 a deformation order input unit for inputting deformation orders for deforming said images by selecting at least one operation among movement, rotation, inversion, expansion, and compression;
 - an edition order input unit for inputting edition orders to add
 - 15 dots and /or lines;
 - a computation unit for deforming and editing said images in accordance with said deformation orders and said edition orders;
 - and a display unit for displaying a portrait created by said
 - 20 computation unit.
2. The likeness drawing apparatus according to claim 1, which further comprises a registration order input unit for inputting registration identifiers (IDs), wherein:
 - said computation unit returns deformed images of said
 - 25 portrait parts to said parts selection unit;
 - said parts storage unit stores said deformed images together with said registration IDs for said deformed images.
3. The likeness drawing apparatus according to claim 1, which further comprises a parts generation unit connected with

said parts selection unit, wherein:

said parts generation unit generates new portrait parts and new portrait parts identifies (IDs); and

5 said new portrait parts identifies (IDs).

4. The likeness drawing apparatus according to claim 1,
wherein said computation unit:

selects one or more parts in the created portrait:

executes inverse transformation on the basis of said
10 deformation orders;

transfers the result of said inverse transformation to said parts selection unit;

deforms said result of said inverse transformation on the basis of another deformation orders.

15 5. A likeness drawing apparatus for creating a portrait by
combining portrait parts, which comprises:

a selection order input unit for inputting one or more identifiers (IDs) of the portrait parts;

a parts storage unit for storing said IDs and images of said
20 portrait parts;

a parts selection unit for reading out said images in accordance with said ID;

a deformation order input unit for inputting deformation orders for deforming said images by selecting one of operations among movement, rotation, inversion, expansion, or compression;

an edition order input unit for inputting edition orders to edit dots and /or lines on said images;

a computation unit for deforming and editing said images in

accordance with said deformation orders and said edition orders;

and a display unit for displaying a portrait created by said computation unit.

5 6. A likeness drawing apparatus for creating a portrait by
combining portrait parts, which comprises:

a selection/order input unit for inputting one or more identifiers (IDs) of the portrait parts;

10 a parts storage unit for storing said IDs and images of said portrait parts;

a parts selection unit for reading out said images in accordance with said ID;

an edition order input unit for inputting edition orders to edit dots and /or lines on said images;

15 a computation unit for deforming and editing said images in
accordance with said edition orders;

and a display unit for displaying a portrait created by said computation unit.

7. A likeness drawing method for creating a portrait by
20 combining portrait parts, which comprises the steps of:

inputting an identifier (ID) of a part of said portrait;

reading out an image of said part from a parts storage unit
for storing pairs of said part IDs and part images;

inputting an order for deforming said image by using at least
25 one operation among movement, rotation, inversion, expansion,
and compression;

inputting an edition order for editing segments and or dot
trains on said image;

deforming and editing said image in accordance with said

deformation order and said edition order; and
displaying a result of said deforming and editing.

5

10

15

20

25

002260" 83869960